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September/October, 1985  
Volume 31, Number 5

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Cover: *The Fibiacus House*, in Miami, was designed by Andreu Duenas and Elizabeth Pister-Zyberk, Architects. Photo by Steven Brooke.

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# EDITORIAL

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*Florida Architect*, Official Journal of the  
Florida Association of the American In-  
stitute of Architects, is owned and pub-  
lished by the Association, a Florida Cor-  
poration not for profit. ISSN 0015-3007.  
It is published six times a year at the  
Executive Office of the Association, 104  
East Jefferson St., Tallahassee, Florida  
32302. Telephone (904) 222-7380.

Opinions expressed by contributors are  
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Single copies, \$2.00. Annual subscription,  
\$12.00. Third class postage.

For a few moments each morning, as I drive to my office, I have a perfect view of the Florida Capitol from the northeast. Seeing that grand building, framed in pink crepe myrtle, is a joyous experience. I think I know why.

I was in Williamsburg recently . . . "Colonial Williamsburg" as it has come to be known. I hadn't spent any time in CW since my stint as an interpreter in several of the exhibition buildings. But, the spark of excitement that I always felt upon arriving in America's colonial capital was relit the moment I walked the Duke of Gloucester Street. Because I'd worked there, I had the advantage of feeling right at home and knowing my way around. But, beyond that, a thrill ran through me as I passed the shops and homes of people who probably weren't very different from me. I was there on a hot day and the smell of boxwood mixed with the buzzing of insects and the aroma from herb gardens, flocks of sheep and oxen ambling through the streets made for a very memorable "deja-vu-like" experience. I remember thinking, "this is the way it was." It was hot and humid in Tidewater Virginia 200 years ago and these are the smells of plants and animals mixing in the sultry heat. I felt at home and I liked it.

I also felt comfortable with the architecture just as I always had. I felt comfortable with it in the same way that I feel comfortable with the Florida Capitol. It is elegant, but predictable. It is formal, but comfortable. It's what we come from — it's our architectural heritage. It is balance, symmetry and scale and color that are easy to live with.

I can't help but wonder if beyond the sense of history that these buildings evoke — be they Georgian or Classical — if their main appeal doesn't lie in the fact that we know what they're all about. No surprises. We don't have to guess what's beyond the front door. The plans are regular, the rooms of uniform size and the functions of the rooms predictable. Ornament is subtle, but often regal. Even the houses of shopkeepers possess the beauty of detail that can only be seen in a simple dentilled cornice or a handsome wainscot.

I love the Florida Capitol because of its elegance and its attention to detail. I love its scale and symmetry and I love what it represents. It represents a formality in architecture of which, we, the people, the users of architecture, never seem to tire.



# NEWS/LETTERS

## Two Announce Competitions

The Florida South Chapter of the AIA, the Barbara Gillman Gallery and the School of Architecture at the University of Miami will sponsor a competition for the design of the "ideal" (sub) tropical house.

The purpose of the competition is to promote the generation and development of the widest gamma of architectural solutions to the problem of the individual detached house for our sub-tropical climate and specifically for our South Florida context.

The competition is open to all registered architects in Florida who submit their entry fee of \$25 and request for registration to the Florida South Chapter/AIA by September 6, 1985. For more information on the competition, contact FSC/AIA, 1150 S.W. 22nd Street, #18, Miami, Florida 33129. Attention: The Ideal Tropical House.

Winning entries will be awarded \$1,000 for first place, \$500 for second and \$250 for third.

The 1985 Wood Design Award Program is being sponsored by the American Wood Council. Deadline for submissions is October 15, 1985, and information and entry materials may be obtained by writing to the American Wood Council, 1619 Massachusetts Avenue, N.W., Washington, D.C. 20036.

## Fantasy of Florida: Dreams Expressed Through Architecture

**F**antasy of Florida: Dreams Expressed in Architecture is a five-part series produced by WEDU Channel 3 and Atlantic Productions. It chronicles the development of the myths, legends, and images of Florida. From Ponce de Leon's quest for

the Fountain of Youth to modern chaises of the state as the Garden of Eden, a parade of adventurers, eccentrics and entrepreneurs erected exotic monuments to themselves and their dreams. These programs explore the monuments, their meaning and their value to Floridians today. Check your local listings to see when *Fantasy of Florida: Dreams Expressed in Architecture* airs in your community.

Executive Producer Linda Bussati was interested in stirring a sense of pride among Floridians about their state. "We really do have this idea that our history is probably as old as the latest condominium on the block, or as exciting as the newest convenience store on the strip," she says. "Yes St. Augustine, the oldest city in America as well as Cape Canaveral, the launching pad of our future in space are both in our state. We should be proud of our legacy. My hope is that planners, developers and people who live here will begin

to realize that Florida is a special place — the American tropics — and I wish that people would continue to build in ways that speak to those special qualities of Florida.

The series blends archival and contemporary film, photography, and music to create the atmosphere of Florida's heritage of dream builders. Buildings are explored within the context of their creators and the times in which they were built. To provide a deeper understanding of the architecture and its significance, interviews with historical, architectural and preservation experts are tied in with comments from designers, builders and owners of fantasy structures.

*Fantasy of Florida* was made possible by grants from Florida Endowment for the Humanities, Florida Public Broadcasting Service, Inc., Graham Foundation, Saunders Foundation of Tampa, Wedding and Associates, Architects, Inc. and the Roger Foundation.

## Member News

**F**our University of Miami architecture students have won major design awards in national competitions. **Daby Sanchez** and **Raimundo Fernandez** won a first place award for their design of an art museum from the Architecture Student Chapter of the AIA San Francisco Civic Center Student Design Competition. In addition to splitting the \$4,000 prize money, the two also received \$1,000 to fly to San Francisco for the AIA Annual Meeting. Two third year students, **Sorin Yaffar** and **Juan Caruncho** won a second place award and an honorable mention respectively, in two other competitions. ■

FA/AIA President-elect **James J. Jennewein** and **James A. Schammer**, president of **The Schammer Associates, Inc.**, have announced the formation of a new corporation, **Jennewein Schammer & Associates, Inc.** The new architecture, engineering and planning firm will be located in Tampa. ■ **Atlas & Associates** has been awarded a contract to design a private sector jail for Immigration and Naturalization Services in Buffalo, New York. In addition, firm principal **Dr. Randy Atlas** has been chosen to be a speaker for two sessions at the American Correctional Association Conference held in New York in August. ■

The Annual Service Award for outstanding dedication, integrity and service to the Florida South Chapter Designers of the ASID was given to **Design West** and its principals, **Jamie** and **Michelle Hux** and **Ned Hickson**. ■ **Chris Miles**, Director of Leisure Recreation Planning and Design Division and a Vice President of **RHCP Architects** in Maitland, has been awarded the contract to design the new home for Shakespeare's in Orlando. The new medieval manor dinner theatre should be ready in December 1985. ■ **Oliver & Chidden Architects Inc.** has designed a landscape-oriented business complex

*Continued on page 18*





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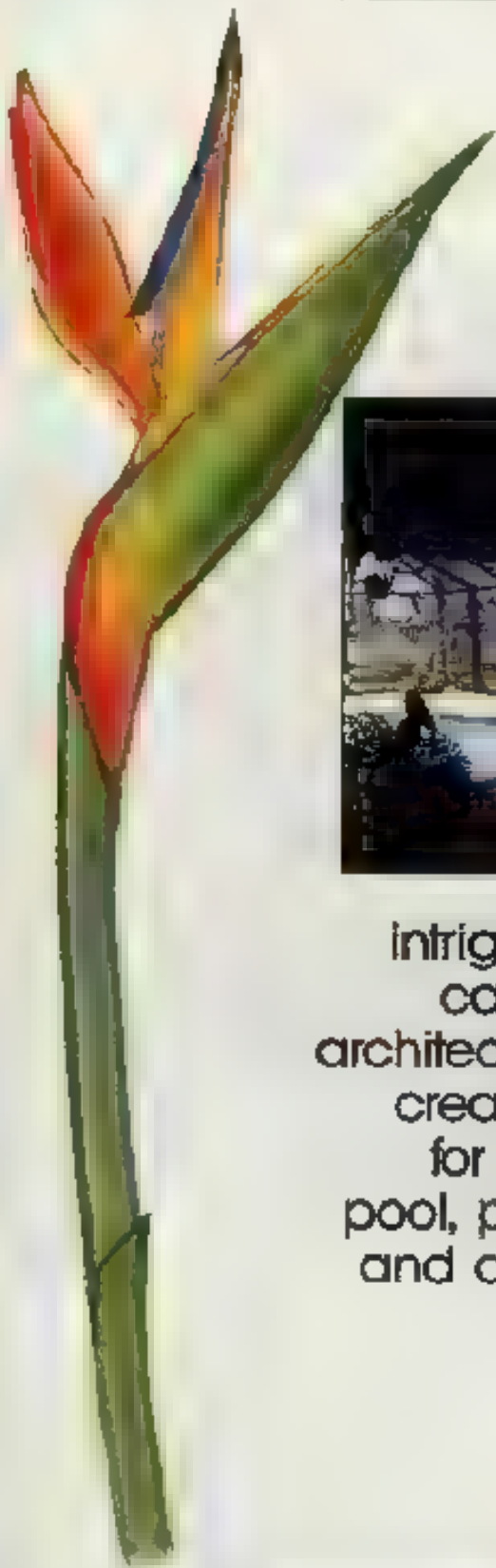
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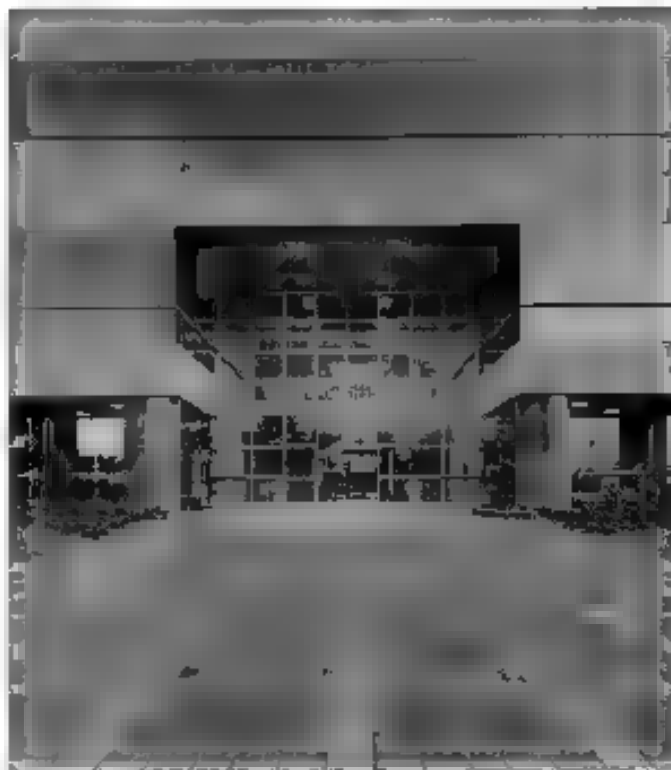
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FA Award - 1985

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## The Bus Stops Here

By Ken Walton

### C. K. Steele Plaza Tallahassee Bus Transfer Facility, Tallahassee

**Architect:** Jim Roberson & Associates Architects, Inc., Tallahassee  
**Civil Engineer:** Ray Dunlop & Associates, Inc., Tallahassee  
**Mechanical/Electrical:** H. Ross Hartman & Associates, Inc., Tallahassee  
**Structural:** Charles Mitchell, Miami



Tallahassee's new Tallahassee Bus Transfer Facility is no ordinary bus terminal. Officially named the C. K. Steele Plaza in honor of a prominent black leader, the terminal occupies an entire city block in downtown Tallahassee. Barely out of the shadow of the State's magnificent Capitol, the terminal needed to make a statement about the city's progressiveness and its commitment to mass transit.

When the terminal project began, it presented a number of challenges to the 10-year-old architectural firm. First, the site is across the street from a church and a day-care center, both of which objected to the idea of a noisy, dirty bus station as a neighbor. In addition, the city's transit system required that the facility be designed to accommodate twenty 40-foot buses simultaneously on a relatively small site and to preserve several large oak trees. The Tallahassee Police Department was concerned about security and was invited to review the design with the architects.

Three design concepts were developed and presented to the community for input through public hearings.

The result was a modern facility in an urban setting with park benches and extensive land-

scaping. Noise abatement measures consisted of sloping out the sloping site and leveling it for bus movement, thereby creating a 16-foot retaining wall and a landscaped berm on the side facing the church and day care center. The large berm and wall reflect the noise back to the source.

The high retaining wall provided an additional opportunity to improve the site's appeal from both the street and the plaza. A fountain was placed on the street adjacent to a residential neighborhood and water falls sixteen feet into a pool on the plaza side. These enhancements provide additional aesthetics for the neighbors and the waterfall softens the noise within the plaza.

The \$2.4 million facility was designed to accommodate twenty buses and 400 passengers in two triangular pavilions. Each pavilion is extensively landscaped and has a 2,000-square-foot skylight for natural light. A computerized signage system with voice synthesizer keeps passengers advised of routes, schedules, boarding positions and arrival and departure times. Additionally, plaza facilities include information, ticketing, restrooms, an elevator, administrative offices, drivers lounge and maintenance areas.

Security as a design determinant was addressed by providing good lighting, an active security system and an opportunity for police patrols to see through the plaza from their cars.

No matter which side the building is viewed from, this is an ordinary bus station.

*Ken Walton is a public relations consultant in Tallahassee.*







Opposite page: two stacked areas of administrative offices further Pinellas County are located in the center of the complex. Below center: the two hundred-year-old building is joined by a spanning structure which transverse the central plaza. The young housing units are distributed. Left: the entrance to the Pinellas County Courthouse, which clearly shows the two separate tenement buildings. Below: top view of one of the four-story from the South side of the Pinellas County Courthouse, which is a 2,000 ft. long sign which top the buildings. Right: the fountain in the south side of the Pinellas County Courthouse, which is a 2,000 ft. long sign which top the buildings.

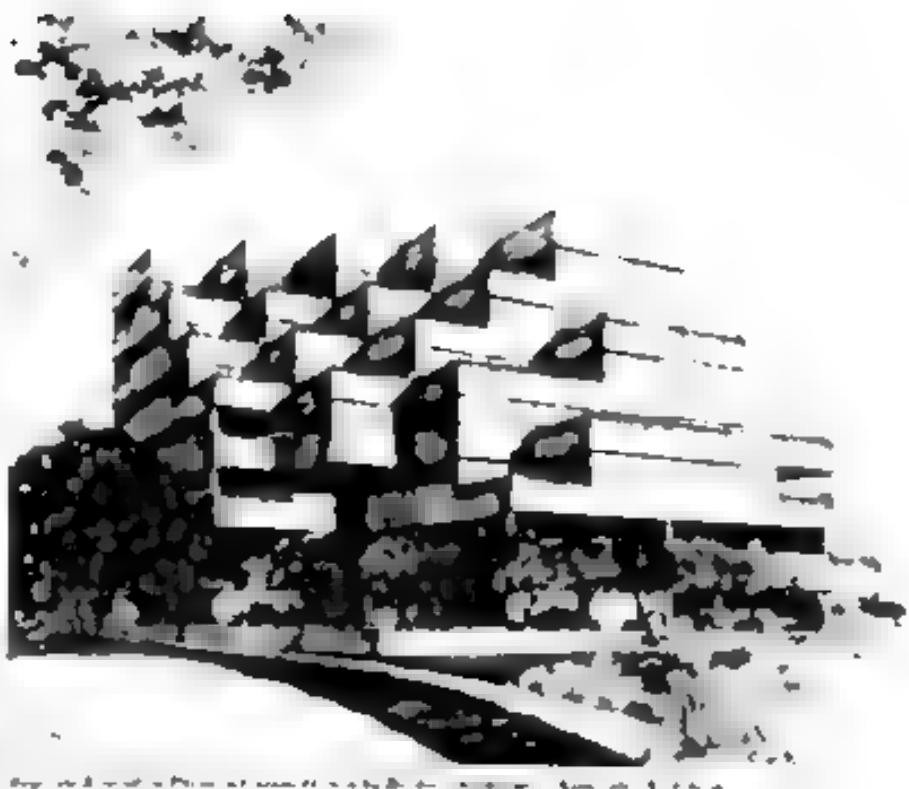


Continued from page 8

for Jardine Plaza in Palm Beach Gardens. The development includes two nine-story towers which feature glass curtain wall.

Gordon & Updean, Architects, Inc. has added Dana M. Smith, AIA, to the firm. The firm will now be known as Gordon, Updean, Smith, Architects and Consultants, Inc. Smith is a 1975 graduate of the University of Florida and will receive his Master of Architecture from JF this summer. Strategic Planning Group (SPG) has been selected by the Northeast Florida Regional Planning Council to assist in the analysis of potential impacts resulting from large scale developments. SPG has just opened its new Southeast Regional Offices in Jacksonville. A&P International Architects in Miami has been invited to prepare a masterplan to expand the existing 1000 International Hospital of Bahama. Architect Al Rumpel, AIA, will head up the initial consulting visit to Bahrain. Stetson and Root Architects in Boca Raton has moved into new corporate headquarters at 2101 N.W. Second Avenue in Boca. The firm is leasing 2,200 s.f. of the building which they designed. Paul Buckley, Schuch & Johnson is now the 60th largest engineering, planning and architecture firm in the US according to *Engineering News-Record* magazine's listing of the Top 500 Design Firms. Salvendy & Twitty Architectural Interiors and Environmental Graphics has been retained to design the corporate offices for Holyfield & Company CPAs in West Palm Beach.

Robert M. Swedstrom Architect-Planner has been selected as the firm for certain of Florida's new estate/palm home residential community on Boca Ponce known as Valence. Design is nearing completion at Studio One, Architecture, Planning and Landscape Architecture of Winter Park, on 20,000 s.f. of commercial space for Gale Enterprises. Plans have been completed for a seven-story office complex, Bayview



Executive Plaza, to be located in Coconut Grove. Construction has begun on the project according to Don Sachman, AIA, with Sullivan Sachman & Associates, Architects. In addition to the design of the building, Sullivan Sachman will be responsible for the majority of the interior space planning and public space design. The Evans Group has moved its South Florida base of operations to Coral Gables Corporate Plaza on S.W. 11th Avenue.

The Smith Architectural Group, Inc. has changed its name to Smith-Lane Group, Inc. Architects. Principals are Warren H. Smith, AIA, and Edward C. Lane, AIA. Urban Design Studio in West Palm Beach has completed a comprehensive land planning and landscape design plan for Breakers West, a 631-acre residential community in West Palm Beach. Warren Kimo, AIA, has been named to the Board of Directors of Barrett Duffin and Carlin, Inc., an architecture, engineering and planning firm with corporate offices in Tallahassee, Panama City and Mobile, Alabama. Fugenberg North Architects, Orlando, Melbourne

and Dallas, and Devcon Development Consultants, Ltd. of Lagos, Nigeria, have formed a joint-venture consortium known as FEA/DDCL. The consortium has been established for the purpose of providing architectural design, planning and development services primarily in the Middle East and the Caribbean. Penick & Lewis Architects and Planners, Inc. has been commissioned to design Indian Trails, a residential community in Indian River Shores. A new branch of Flagler National Bank, also designed by Penick & Lewis, is complete and open for business in Boca Raton. Stetson and Root will design new facilities for Harder Hall Golf and Tennis Resort in Sebring. The firm will do master site planning and initial designs for a new convention center that is part of a 40,000 s.f. multi-use facility on four acres of land. They will also design a 30,000 s.f. spa/hotel with thirty rooms for Harder Hall.

Two national magazines ranked Graham, Smith and Partners, an Architectural/Engineering/Planning firm, high on their

list of outstanding companies. Graham, Smith was ranked fourth by *Modern Healthcare* magazine and 25th in *Interior Design* magazine's "100 Interior Design Giants." The Tallahassee-based architecture, planning and interior design firm of Graf Nichols Elliott, P.A. has changed its name to Graf Elliott Marshall, P.A. The change reflects the withdrawal from the firm of former partner Bob Nichols who is forming an independent structural engineering firm. Charles Brock & Associates has been asked to design a multi-family prototype product for universal application within Fairfield Communities' rapidly growing resort division. Fairfield is a national resort land development company.

James P. O'Shaughnessy, formerly an interior associate of Stodolens, Owings and Merrill in New York, has joined the Richard Plummer Design firm in Miami. A registered architect, O'Shaughnessy will design projects for Plummer's Architecture and Commercial Design divisions. EDCP in Midland has appointed seven new associates, including Al-

under W. Stone, Ronald I. Mason, Henry R. Wold, David J. Skofka, Richard W. Cherry, John D. Matijssen and James N. Robertson. In addition, HCCP has named five new Vice Presidents, Thomas E. Pearson, David G. Cameron, Christopher L. Miles, John W. Anderson and Laura M. Bailey. ■ The Haskell Company has completed an oceanfront condominium for the Dunes Club Company. Turtle Dunes is a seven-story building with 58 condos located adjacent to the Amelia Island Plantation. ■

Robert A. Smith, AIA, has been promoted to Associate Architect with Mospora Gecouris Estevez in Coral Gables. Smith received his architecture degree from the University of Miami. ■ Shoup/McKinley Architects and Planners, Inc. of Boca Raton has been commissioned to design a prototype upscale, fast-food bar and grill. The restaurant will be known as Flamingos Bar and Grill and it will be constructed on several sites in Palm Beach County. ■ Studio One in Winter Park is the recipient of a 1988 Golden Brick Award from Downtown Orlando, Inc. for the reconstruction/renovation of 18 Wall Street. ■ Edward D. Stone, Jr., and Associates has been recognized by the American Society of Landscape Architects with a Merit Award for the Mayport Florida Naval Air Station Base Exterior Architectural Plan. ■ Bell Associates, P.A. Architects and Planners, has announced the addition of Robert J. Aude, AIA, as an Associate. Aude will serve as Project Manager and Director of Design, heading up the firm's Design Department. ■ The officers of KSD Architectural Associates, Inc. recently named three new associates: James R. Dowling, Margaret S. Epp and Robert E. Johnson. Roy Ricker, formerly with the firm, recently resigned to make his residence in Avon, Colorado. ■ Bob Webb has left the University of Central Florida to join the Architects Design Group of Florida, Inc. in Winter Park, as Project Architect. Sergio Barr has also joined ADG after twelve years of experience in both Mexico and the U.S. ■ Cunde Stubbins Schneider AIA, a Delray Beach-based firm has

recently completed the plans for new additions and renovations for the O.C. Taylor Chrysler dealership in Delray Beach. ■

Dale Saks has been named manager of business development for Post, Buckley, Schuh & Jernigan's Central/North Florida District.

Forma & Surfaces, Inc. of Miami has won the regional Spec-

trum '85 Commercial Renovation award sponsored by the Ceramic Tile Distributors of America (CTDA). The winning entry was the Dadeland Mall Renovation project featuring over 250,000 individual tiles, custom colored and sized for intricate modular interlocking. Winners of the regional awards will vie for the coveted national awards to be an-

nounced at the CTDA's annual convention held in Dallas, Texas in October.



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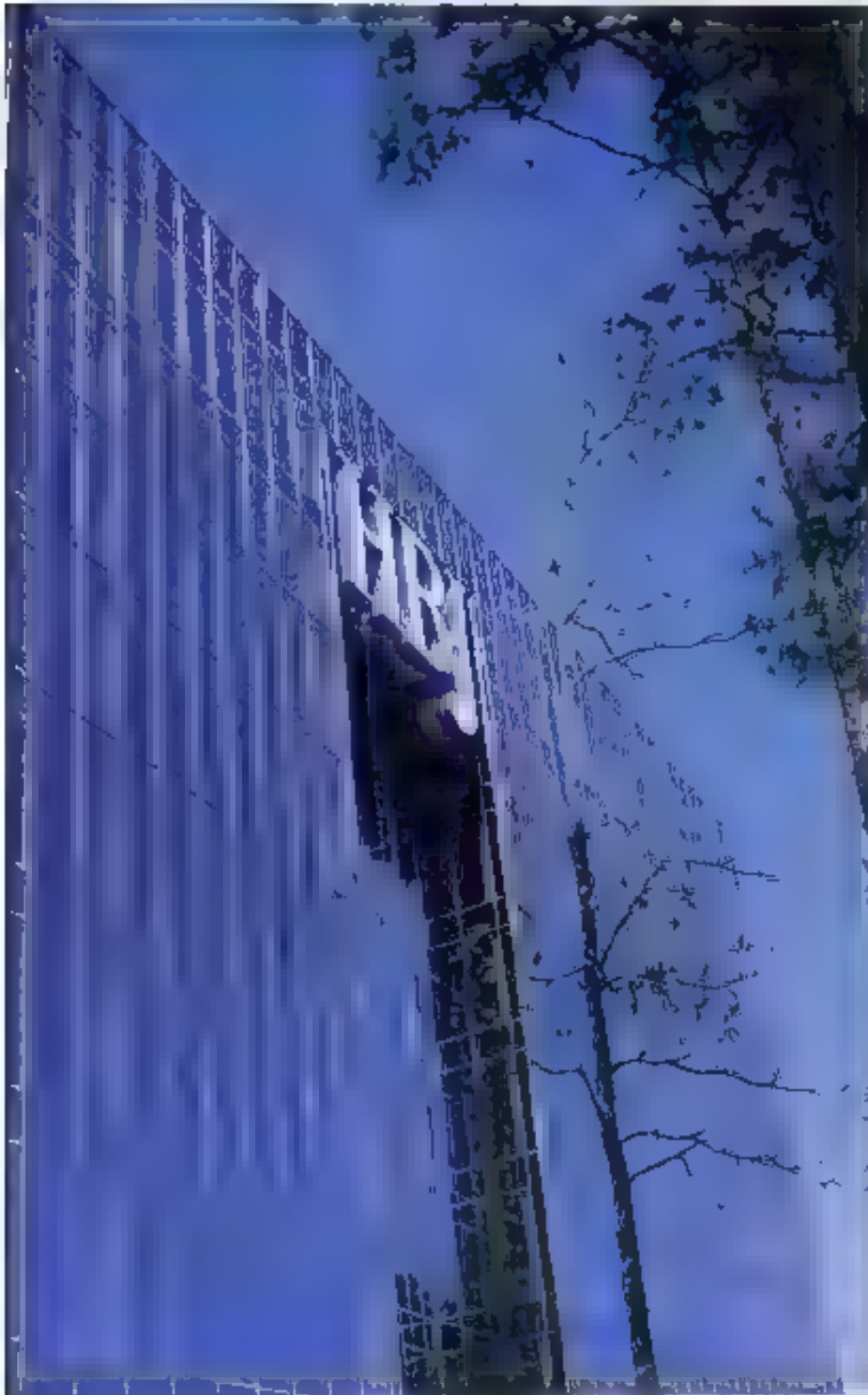
## NORTH-BRIDGE CENTRE I -

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# Orlando: The City Disney Built

by "Doc" Schofield and Lawrence Cox



Within what others regarded as an open meadow in 1967, the first visitor to Walt Disney World met Florida's major tourist industry and tourism. To the many, this dramatic landscape has been transformed from a sleepy agricultural village into a vast metropolis and metropolitan centers of industrial development, commerce, finance, insurance and high technology.

Thirty years ago, there were less than 20 architectural firms in the Central Florida area. Today, there are over 200. The number of practicing architects escalated sharply with the tremendous economic and urban development boom that has occurred since the tourist boom got a real boost in the early 70's.

The key to Central Florida's present economic strength is its education not only to the millions of visitors who come each year but to the rapid increase in population. In 1964 about 60,000 people lived in Florida's 21 counties located in and around Orlando.





Although people over 60 constitute the second largest group of new arrivals to the State, Florida is losing some of its original image as a retirement state. The largest group of newcomers is now in the 25 to 44 age bracket and they are the people most interested in the employment opportunities offered by the ever-present construction of offices, hotels, warehouses, hospitals and health facilities and retail space. Since 1980, over 300 companies have either moved into or expanded in Central Florida. These companies have projected \$6.884 jobs, spending \$1.6 billion in capital investments and building 13.37 million square feet of office complexes, warehouses and manufacturing plants.

At the beginning of 1985, a Coldwell Banker survey reported that the Central Florida area had nine million square feet of commercial space either planned or under construction. Several large-scale projects, such as the \$150 million Sun Bank Center and the \$400 million duPont Center, both scheduled to begin construction this year, have placed most of that space in Orange County.

Despite the apparent increase

in demand for office space, the construction of traditional office space, i.e. small, single office buildings, is expected to decline.

Retail space is also on the increase, and in metropolitan Orlando alone, 850,000 s.f. of shopping center space was built in 1983. Forty new shopping centers, each with over 60,000 s.f. are slated for construction to begin before the end of 1985. The \$290 million Florida Mall is currently under construction and the activity it has generated has already spawned more retail construction in the same area of Orlando.

With the opening of Orlando International Airport in 1961 and Epcot Center in 1962, a second wave of unprecedented growth swept Orlando. Not only did Epcot boost the tourist and hospitality industries, attracting 22.7 million visitors in 1983, but it also helped attract national and international business to the area. These two projects, added to the opening of the Orange County Convention/Civic Center in 1982, marked a milestone for the State's tourist and convention business. Currently ranked fifth in the world in the number of available hotel rooms, the Orlando/Walt Disney World



*High-rise, top and above, is typical of the many new residential communities being built in the Central Florida area. These massive developments are affordable for any wife deserting her husband for a carefree new play — as seen in the upper photo. Photos by Bob Brown.*

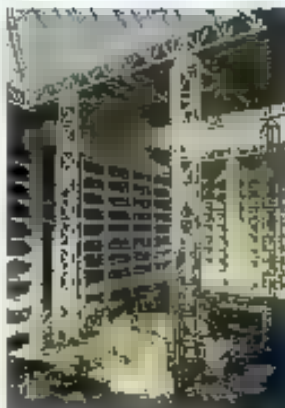


area "is undergoing growth as a meeting and incentive destination unequalled by any location in such a short period of time," according to *Corporate Meetings & Incentives*, a reputable industry source.

Four world class resorts, the Hyatt Regency Grand Cypress, the Wyndham Grand Sea World, the Eterra Vista Palace and the allium at Walt Disney Village, have added 3,000 rooms to the area's total in the last few years, an increase of nearly ten percent. Marriott's soon-to-be-completed Orlando World Center will add another 1,600 luxury rooms in the Disney area. Other sections of the city, particularly downtown and Maitland Center, are also experiencing a hotel boom. The 344-room Radisson Orlando and the 265-room Omni International will be completed in downtown Orlando in late 1985 and at least ten more luxury facilities are being planned for construction over the next two years.

Walt Disney World recently announced plans for the construction of two luxury convention hotels, involving the Sheraton Corporation and Holiday Inn's Crown Plaza Division. Upon completion of the \$206 million venture in 1988, the facilities will comprise the largest convention hotel complex on the East Coast of the U.S. The 68-acre project is the largest to be constructed on Disney World property since Epcot and will offer 2,300 guest rooms and 200,000 sq. ft. of convention space. In addition to all of this, work is progressing on the \$56 million Holiday Inn Crown Plaza at Florida Mall, a 500-room facility scheduled to open in the spring of 1986.

**De" Schaffeld and Lorraine**  
**Luxury convention centers**  
*by De" Schaffeld and Lorraine*  
*McClure, a former*



New world-class resorts have added 3,000 rooms to the Orlando area in the last few years. Among them: the Radisson Hotel (top left), the Wyndham Hotel (middle) and the Eterra Vista Palace (above right). Photos by Bob Braun.

## OFFICE PRACTICE AIDS

# Storm Power Scale Designed By Miamians

By Joanne McIlhenny

The Richter Scale is an earthquake measure. The Saffir-Simpson Scale is a hurricane measure.

People have been underscoring the magnitude of hurricanes for nearly half a century since Prof. Charles F. Richter published his scale in 1935. The power of hurricanes stayed nameless until a Miami engineer devised the Saffir-Simpson Scale in 1973.

In that year, Herbert S. Saffir wrote a report for the United Nations on low-cost construction to resist high winds. While studying hurricanes all over the world for the project, he devised a classification to explain the destructive strength of these unusual cyclones. The full term spills out the kind of wreckage to be expected at each level of wind speed.

For instance, a Grade One storm is "confusing," with winds up to 39 miles an hour. The worst kind, Grade Five, would be an "apocalypse," like the Labor Day Hurricane in 1935 which knocked over a railway train in the Florida Keys and drowned 40 persons with a storm surge that roared over the low islands 1 to 18 feet higher than the normal level of the sea.

The narrative part of the Saffir-Simpson Scale gives the frightening description of a Grade Five storm. "Winds greater than 155 miles per hour. Shrubs and trees blown down, considerable damage to roofs of buildings, all signs down. Very severe and extensive damage to massive structures. Complete failure of roofs on small residences and factory-type buildings. Extensive buttressing of glass in windows and doors. Some complete build-

ings destroyed. Storm surge greater than 18 feet above normal. Major damage to lower floors of all structures less than 15 feet above sea level within 500 yards of shore. Low-lying escape routes marked out by rising water 3 to 5 hours before hurricane center arrives. Massive evacuation of residential areas or low ground within 3 to 10 miles of shore possibly required.

Saffir gave the scale to the Hurricane Center in Miami for its forecasters. The director of the center, Robert Simpson, added the estimates of the height of storm surges, so the scale has been known since then as the Saffir-Simpson scale.

Saffir, the head of MacArthur Saffir Consulting Engineers in Coral Gables, has at 4060 and reported on hurricane damage to structures in many parts of the world for 40 years. He is the author of the South Florida Building Code's section on wind load requirements. His work made this code the first in the United States to set design standards based on sound engineering principles.

For laymen now that wind gets stronger with height. A three-story building would feel a 120-mile-an-hour wind at that speed. The same wind would strike the top of a 50-story skyscraper at 167 miles an hour, according to a widely used engineering formula. On hurricanes, Saffir recently calculates exactly how strong buildings must be at various heights to survive hurricanes. Using these figures, the South Florida Building Code will not consider anything but a little weaker than those 80 feet or more in height. This saving comes at a price.

The 120-mile-an-hour wind is Grade Three on the scale, one likely to cause extensive damage over an 80 years. Saffir explains that building for extra resistance to hurricanes would be very expensive and not practical.

Saffir's report on a Grade One outbreak parts of Fort Lauderdale in May 24, 1979, was printed for the convention of the American Society of Civil Engineers at Miami Beach in 1980. He found that the recorded wind speeds at touchdown, a loss of a Grade Five hurricane, at least 155 miles an hour. He said that the scale would make hurricane predictions even with a strong hurricane, "a real scale."



## The Saffir-Simpson Hurricane Scale

Category	Description	Mean wind speeds (mph)	Storm surge (ft.)	Storm damage to land	Year
1	Minimal	74-95	4-5	Less	1973
2	Moderate	96-110	6-8	Clear	1974
3	Extensive	111-130	9-12	Major	1963
4	Disastrous	131-155	13-18	Devastated	1978
5	Catastrophic	Greater than 155	Greater than 18	Catastrophic	1980

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## 1985 FA/AIA AWARDS FOR EXCELLENCE IN ARCHITECTURE

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**T**he 1985 Awards for Excellence in Architecture brought together a prestigious jury to view one hundred and forty-five projects submitted by AIA members in Florida and the Caribbean. This year, there were twelve winning projects.

The consensus of the jury was that the overall quality of the submitted designs was not as high as it should have been. Criticism of the projects ran high and stemmed from specific comments relating to a lack of care in the submissions as a general concern that the architects in the region are not looking to the sources of design for their inspiration. One juror felt they should be looking to the cultural and indigenous as inspiration for their designs.

Juror Kevin Roche summed up the jury comments, "Florida has a specific environment. You don't get any sense (from the projects submitted), that there is any original thinking indigenous to Florida."

### The Jury

**C**esar Pelli was born in Tucuman, Argentina, where he earned a Diploma of Architect from the Universidad Nacional. He came to the United States to attend the University of Illinois where he earned a Master of Science in Architecture. For the next ten years, he worked in the offices of Eero Saarinen and Associates.

In January 1977 Pelli assumed the duties of Dean at the

Yale School of Architecture and he opened his own architectural office, Cesar Pelli & Associates, in New Haven, Connecticut. In 1985 he resigned from Yale to attend his architectural practice on a full-time basis, although he remains a member of the faculty of the School.

Cesar Pelli is a Fellow of the American Institute of Architects, a member of the American Academy and Institute of Arts and Letters, a Trustee of the Institute of Architecture and Urban Studies, New York, and a Board Member of the National Building Museum in Washington, D.C. His work has been written about and exhibited all over the world.

**K**evin Roche was born in Dublin, Ireland in 1922. He received his Bachelor of Architecture degree at the National University of Ireland and came to the United States in 1948. In 1950, he joined the firm of Eero Saarinen and Associates. Roche served as Saarinen's principal associate in design from 1954 until Saarinen's death in 1961. At that time he formed a partnership with John Dinkeloo to continue Saarinen's practice and to complete the ten major projects underway at that time.

Kevin Roche has been the recipient of many honors and awards including the Academy of Architecture 1977 Grand Gold Medal and the Pritzker Architecture Prize in 1981. He is registered to practice architecture in 17 states and is a member of the National Council of Architectural Registration Boards.



## 2424 South Dixie Highway Office Building

Coconut Grove, Florida

### Architecture for the Fast Lane

The speed at which drivers pass this building which is sited on a wedge-shaped lot on busy U.S. 1 was a determining factor in the architect's decision to streamline the facade. By virtually "stripping" the long elevation, the designers reinforced the low, horizontal lines of the building. The "stripping" consists of three bands and ribbon windows alternating and organized on a three-foot module.

The shape of the site suggested the rounded glass block ending to the "palm" in this tropical Platonian building. Behind it sits a conference room. By using the cone of the building for service and storage, the architects could give most offices window walls. Glass sliding doors allow natural light into the internal circulation.

*"This project is most successful in aesthetic resolution and control. A very good piece of architecture with a difficult site and maximum program. It was designed with a high level of sophistication." Cesar Pelli*

#### Architect

Maceo Associates

#### Consulting Engineer

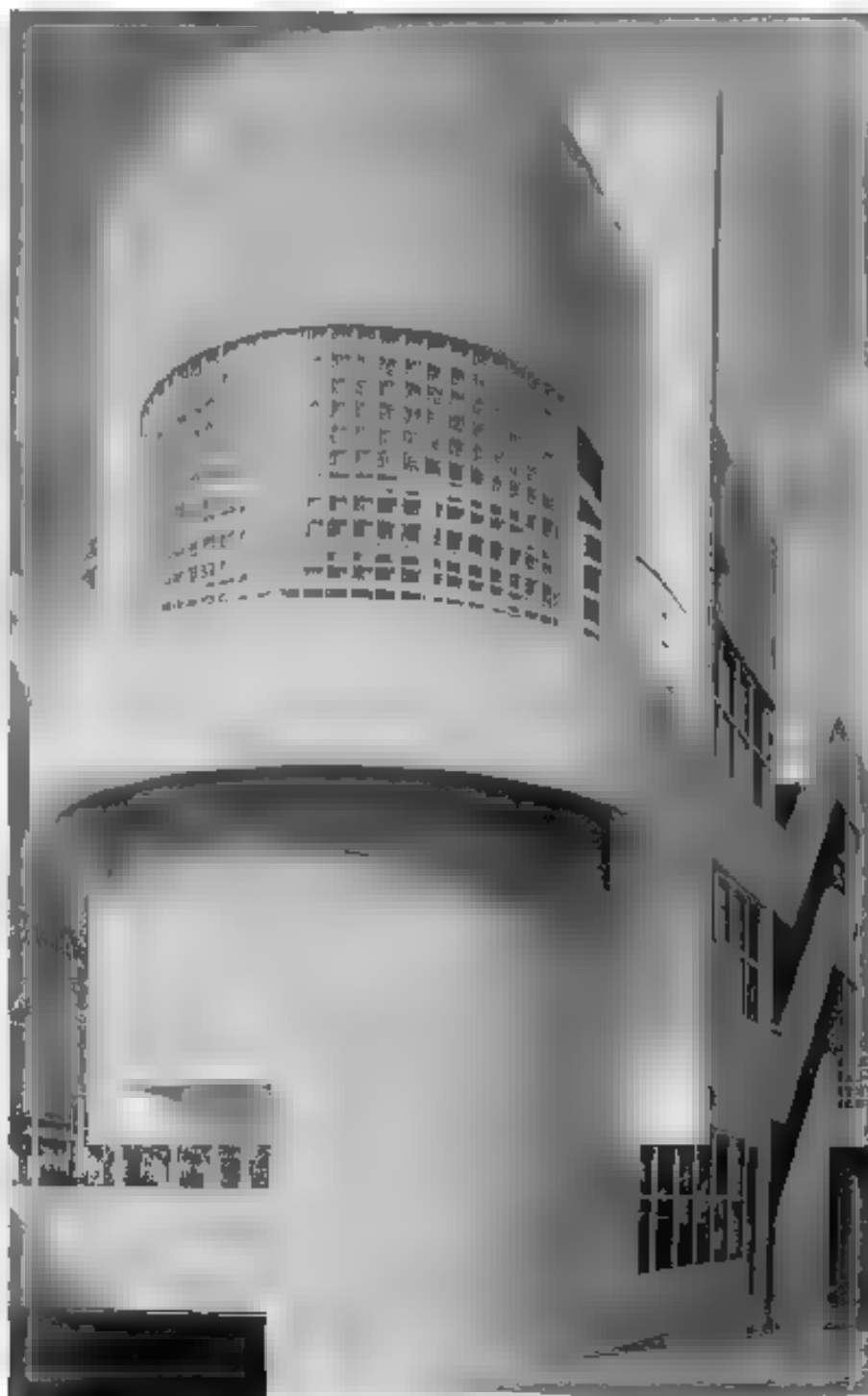
M. A. Suarez and Associates, Inc.

#### Owner

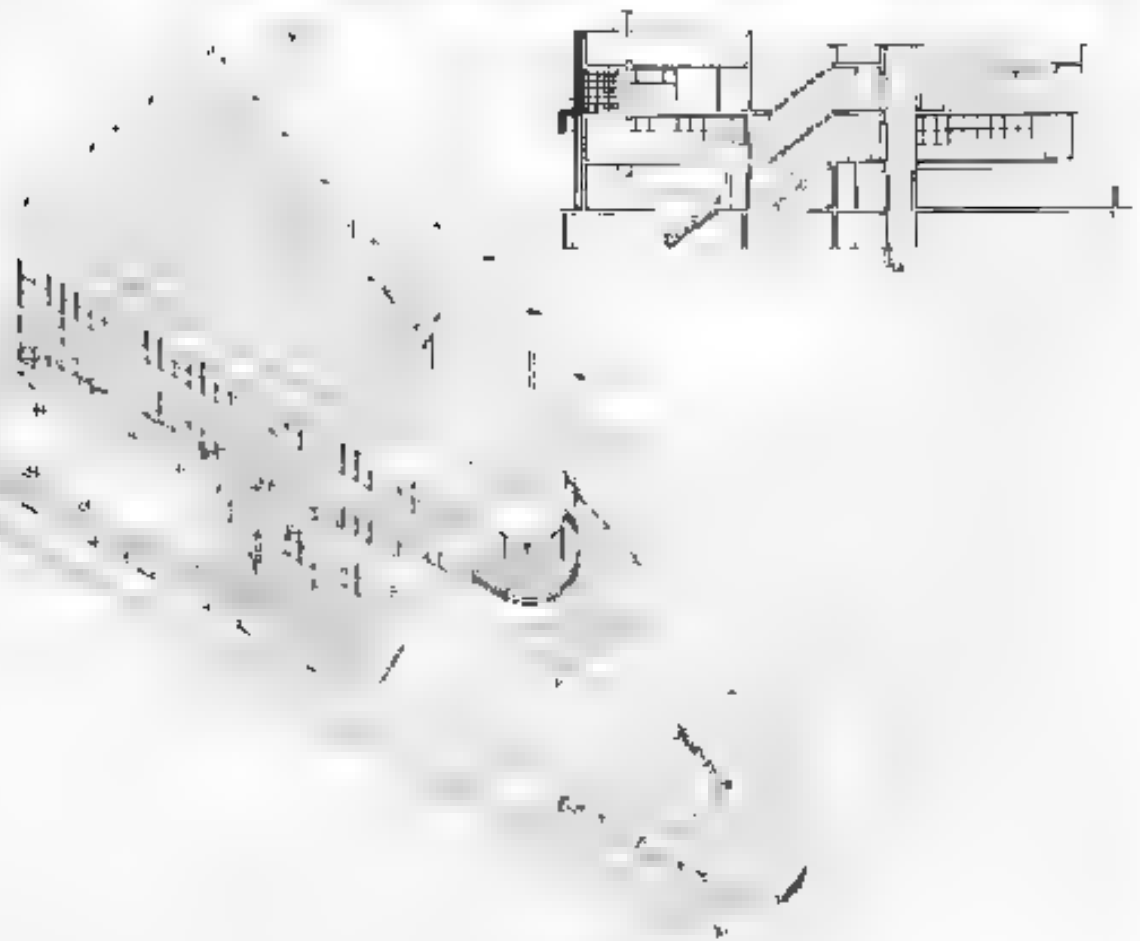
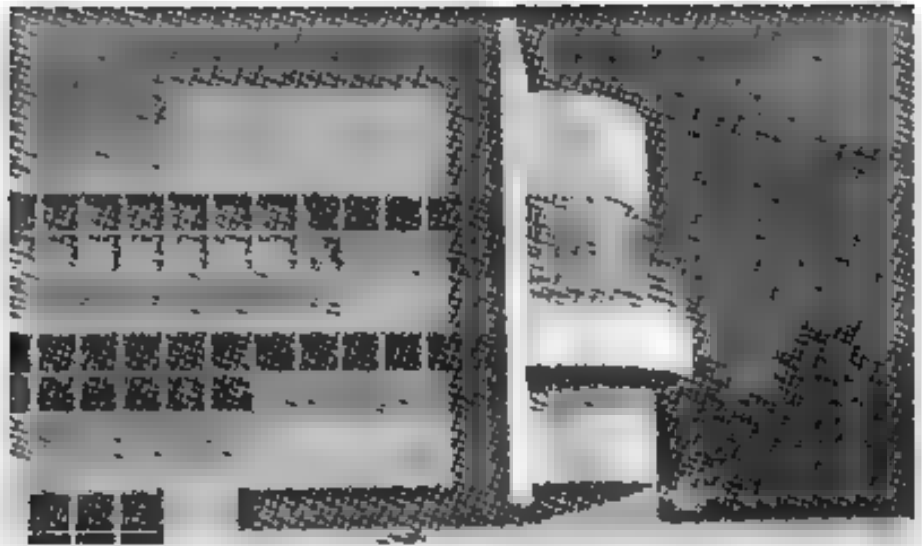
Marcus Thum & Friedman

#### General Contractor

2424 Building, Inc.  
Edward J. Gerrits,  
Construction Manager



Photos by Kathlynn A. Hill



## 101 S. Franklin Street

Tampa, Florida

### A Restoration Sensitive to Detail

Located on the southern edge of downtown Tampa near turn-of-the-century warehouses, this two-story corner building housed wholesale establishments and a saloon on the main level and offices on the second floor in 1900.

The main entry space from Franklin Street was enlarged, recessed and made two stories high with a new glass-enclosed entrance projecting in a second level gallery. Its 18,000 square feet now converted to modern office and retail space; the street-level units are a law firm, brokerage company, architect's office and printing facility.

Particular attention was given to tying the renovation work in with the appearance of its adjacent brick neighbors. Lighting, finishes, textures and colors were recognized and matched. Sidewalks were extended and matching trees and planters were installed to treat the existing area as a whole.

*The genius of this very fine restoration was making the decision to strip away the veneer and expose the original brick.*  
Mildred Schwartz

#### Architect

John Hovey Associates

#### Consulting Engineer

Karl Associates

#### Landscaper

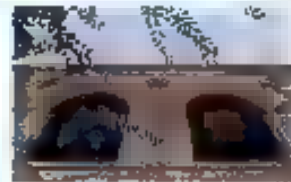
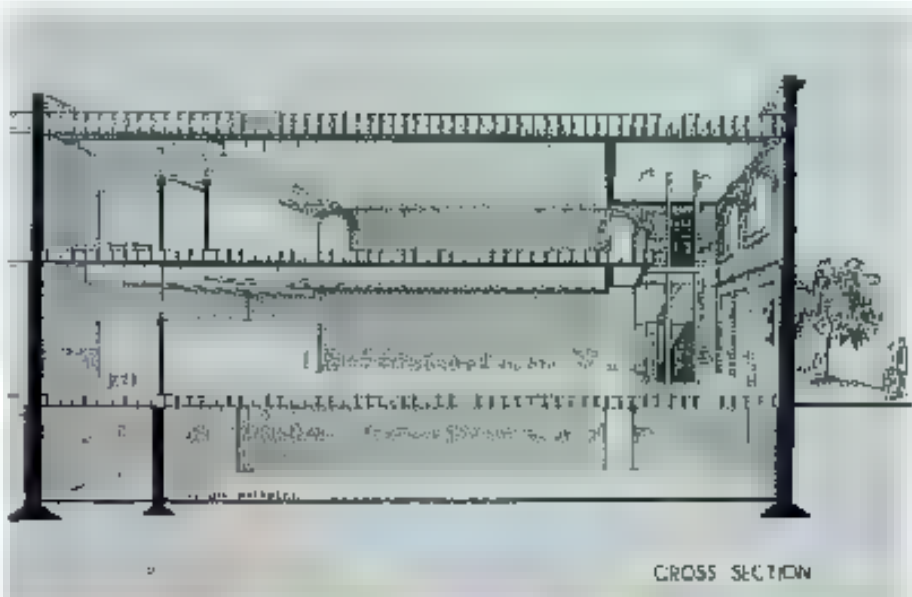
John Hovey AIA

#### Owner

John Hovey/Peter Farago,  
Dorothy Hovey

#### General Contractor

Otto Mulernand Norbert Fuller



Photos by George Keli



## Audubon Park

Tampa, Florida

### Contemporary Housing With Traditional Values

The small development of seven houses is situated on two acres near downtown Tampa. A barrier wall provides privacy and an entrance. The traditional values of the neighborhood are reflected in this contemporary housing. House facades use a classical tripartite division of base, frame and belfry, but the familiar ingredients of the classical architectural language are used in a new way.

The suburban geography is a threat, especially because it is so close to the city. The houses are designed to be a new kind of suburban, but they are not like the old ones. They are a new kind of suburban, but they are not like the old ones. They are a new kind of suburban, but they are not like the old ones.

#### Architect

Frederick Abel, Kenneth Cannon Architects

#### Owner

Five Apples Limited

#### Landscaper

RHR Planning Group

#### General Contractor

H. Hammon & Son, Inc.



Photo by Walter Dondling



## Turabo Park

Caguas, Puerto Rico

### A Recreational Retreat in the Puerto Rican Hills

A recreational park on three hundred acres of mountainous terrain required the design of an initial facility to serve as gateway to the park and house administrative and security facilities. Both rooms and the lower terminal of a chairlift to the mountain top were also in the entrance facility. An amphitheatre completed the program requirements. All of these facilities were grouped in a building terraced around a fountain pool. The architect established the proper proportions for parking facilities as well as an egress to the children's play areas, equestrian, camping and picnic facilities. Over the entrance building the circular structure serves as the focal point of the design.

*"The most handsome and overall view of the public facilities we've seen. It gives the public space a dignity and monumentality."*  
Lester Kella

#### Architect

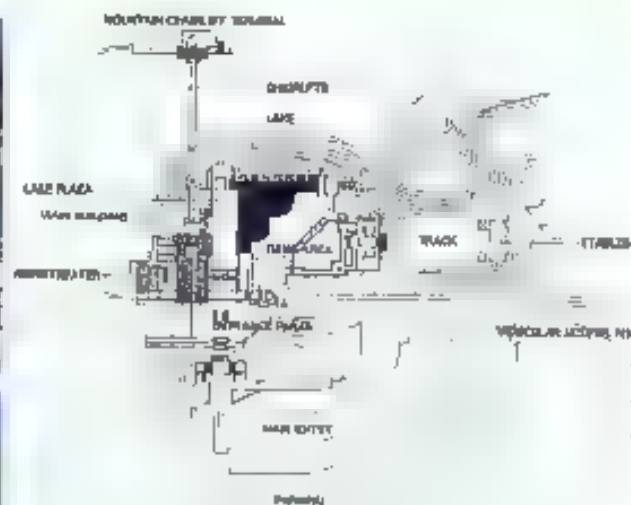
Jose Flores  
Turner • Marvel • Flores &  
Associates

#### Consulting Engineers

Structural — Jose Maria  
Electrical — Ricardo Rodriguez

#### Owner

Municipality of Caguas  
Caguas, Puerto Rico



## Giambelli's Pastificio

Lake Park, Florida

### The Gourmet Restoration of a Fast Food Restaurant

The client program called for the renovation of a fast food chicken restaurant, with an Italian restaurant and pizza. The theme was to give it a "new" architecture, but not to "reinvent" conceptually the entire restaurant, and solid practical ideas of how to make it an "Italian" restaurant.

Because of the client's location, the new building was to be a "new" building, with a new design, but with the existing building's footprint. The design was to be a "new" building, with a new design, but with the existing building's footprint.

The design was to be a "new" building, with a new design, but with the existing building's footprint. The design was to be a "new" building, with a new design, but with the existing building's footprint.

#### Architect

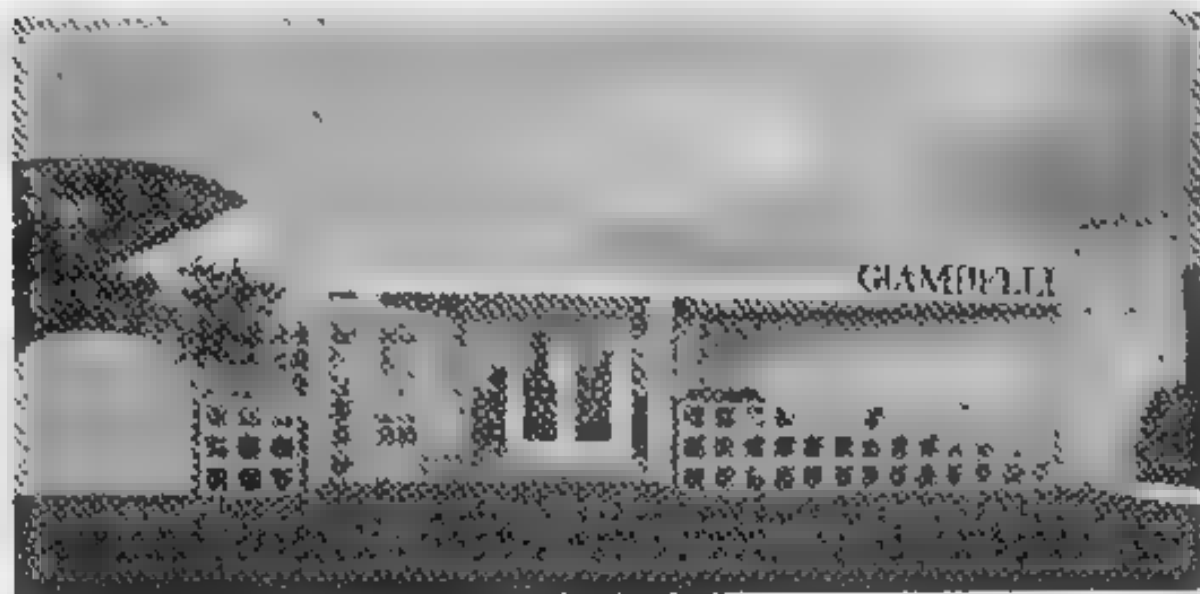
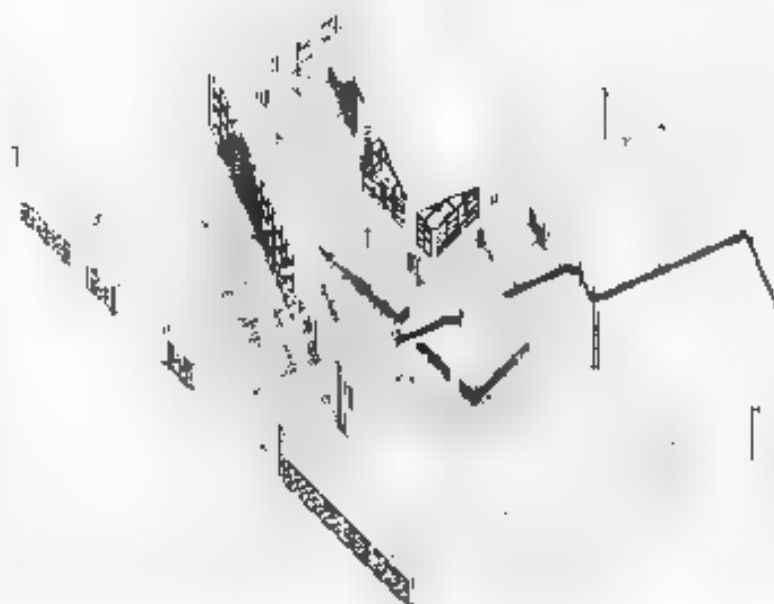
Veckes-Lachue Architectural  
P.A.

#### Owner

Alexander Giambelli

#### Contractor

Sampray Construction Co.





## School of Architecture, Florida A&M University

Tallahassee, Florida

### A Hands-on Laboratory for Architecture Students

This new School of Architecture is a 3-story steel frame utilizing simple industrial components. Floors are concrete over a steel deck. The brick one-story east facade relates to the adjacent residential neighborhood. Four south-facing wings incorporate a continuous thermal chimney wall. The adjacent spaces are cooled by inducing ventilation through solar updrafts. In winter, heat is captured inside the chimney and recirculated on the interior. The system combines solar and wind in a synergistic system to provide the maximum air movement with a minimum of electrical power and controls.

The building occupies a sloping site on the edge of the campus and major circulation is open, but covered.

*"Very sophisticated forms and shapes. I like the way the architect has provided for the residents." Kevin Roche*

#### Architect

Jenkins, Kumpel/Gardwin, Assoc. Inc.

#### Consulting Engineers

Structural, HVAC, Electrical—Tjelen, Lohnitz, Cooper Inc.

#### Paints

Dubin/Bloom Assoc. Ltd. Richard P. Carson & Assoc.

#### Landscaper

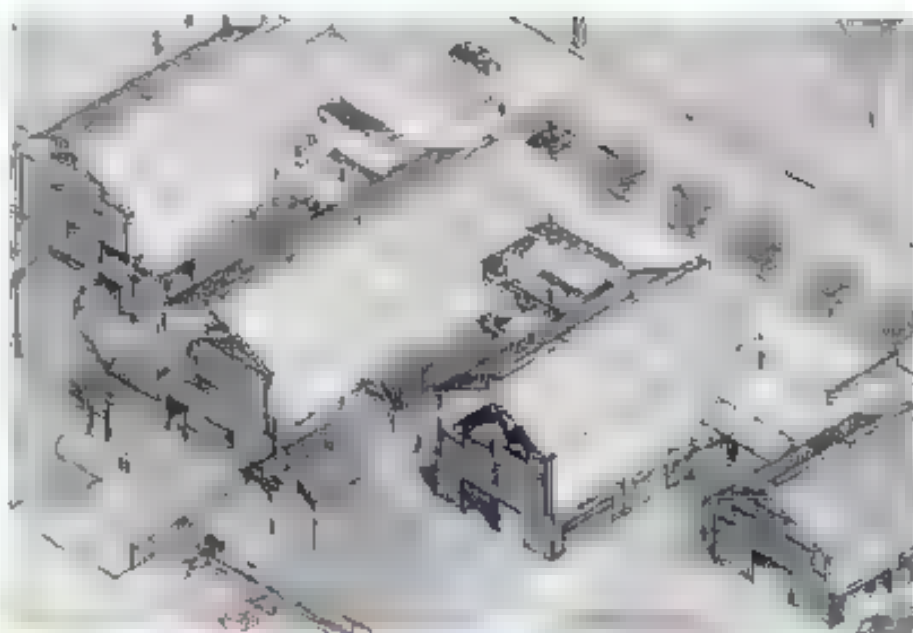
Nancy Jenkins

#### Owner

Board of Regents

#### General Contractor

W.C. RS



Photos by Steven Brooks



## Sabal Center

Longwood, Florida

### Color As A Major Design Element

Because of the very limited budget for this speculative office building, the goal of the design team was to create a dynamic, attractive structure without resorting to unusual building shapes which would have resulted in construction costs and rental rates that were higher than marketability demands. The resulting design is a simple rectangle, the proportions of which are dictated by optimum lease space and the use of an efficient layout of over 87%.

The building's design is very two dimensional and because of the low budget, color is used as the major design element. Other than the color red, used on columns and aluminum half-round window sills, details are minimalist, except at the entrance which is delineated by a white grid and a red metal ceiling which extends into the interior. The gradual storefront is reflective on the face of the entrance area which is two stories in height.

*The simple, straightforward design has a certain personality and a feeling of elegance.*  
Kevin Roche

#### Architect

The Design Arts Group, Inc.

#### Landscape

Poster-Lumant & Associates, Inc.

#### Owner

The Landin Group

#### General Contractor

Williams Development Co.



Photos by Eric Osendorf



## Barnett Residence

Leon County, Florida

### Vantage Elements in a Contemporary Dwelling

The passive systems and mild climate during much of the year allows the house to use minimal mechanical assistance. The program was for an active family with two young children who frequently entertain large groups. The major spaces had to accommodate 15-20 people, yet have the intimacy for female groupings or individual privacy. The family loves the outdoors and wanted to experience changing seasons from all the major rooms of the house.

The concept was to do the sloping site and a compact form to minimize the site pressure. There was also a desire to use the building knowledge unique to North Florida's architectural past, combined with contemporary construction techniques to provide an energy efficient minimal maintenance home.

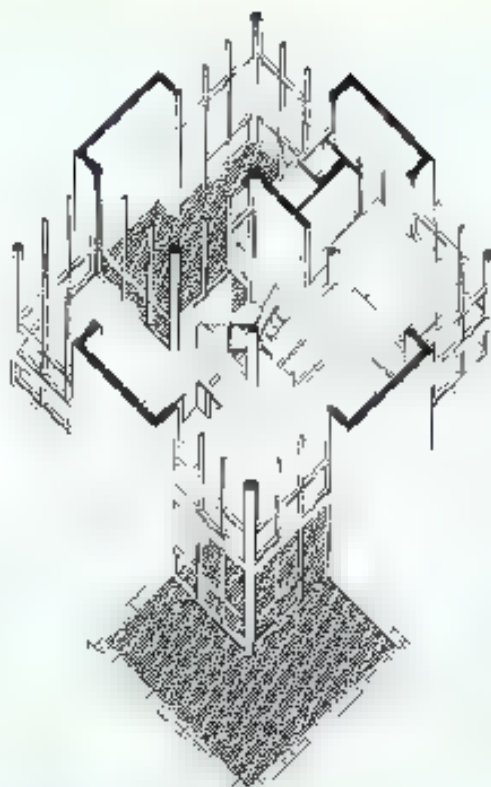
The form generator was the six major living areas which were approximately equal in size. The form was a square which provided a central core allowing the upper levels to stack over the lower levels. By entering at the midpoint between the adult and children's areas and walking up to the adult living spaces or down to the children's spaces, all the areas were afforded view of the lake and woods.

*"This house looks up trees to our forms from the North and down to them to South eye forms. Because of this, making up a program any more has been required."*  
Kevin Roche

**Architect**  
Kevin Roche/Durand  
Architects, Inc.

**Owner**  
Rick and Martha Barnett

**General Contractor**  
Ana Construction Company  
of Tallahassee





## Hibiscus House

Miami, Florida

### European Modernism in a Miami Residence

The house recalls that period when Miami's classically trained architect first encountered European Modernism, at the style which developed. Traditional compositional devices were freed from ornament and appear with unusual clarity.

This design consists of three separate buildings juxtaposition along the street, a central living room in the middle and a block of utilitarian rooms at back. Each of these has its own particular and appropriate systems of openings. The three buildings have a stepped relationship in response to the site while sharing several important internal axes.

*A beautifully designed house. One of the most modern in the city. It is very compact and up to date. It is very intelligent design.* Cesar Pelli

#### Architect

Andres Duzay & Elizabeth Platon-Zyberk, Architects  
Rafael Sisto, Assistant

#### Consulting Engineer

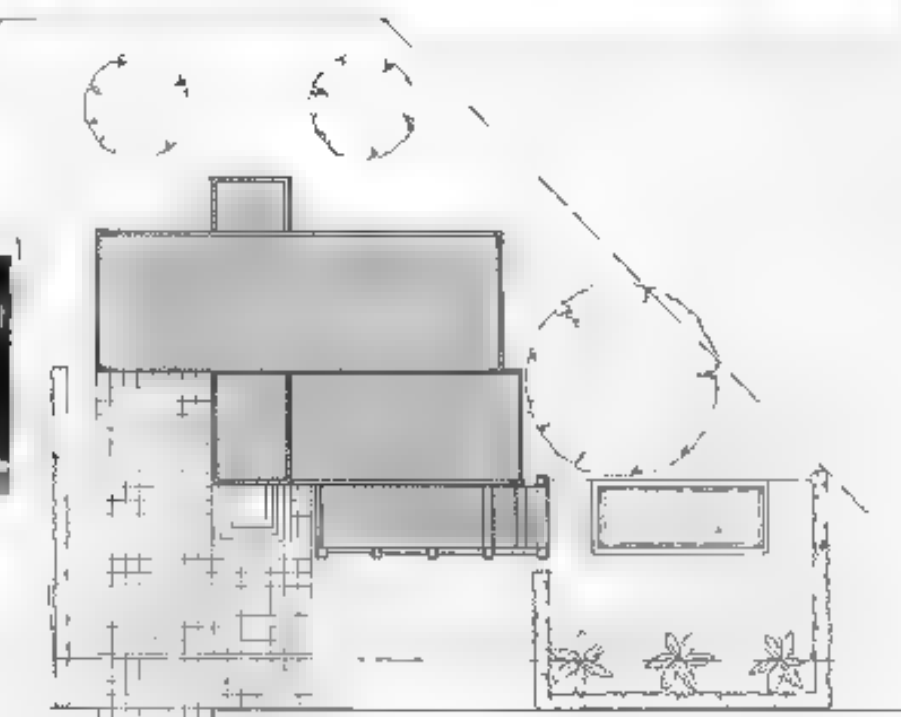
Juan Vazquez

#### Owner

Hugo Zamorano

#### General Contractor

Genova Construction Co.

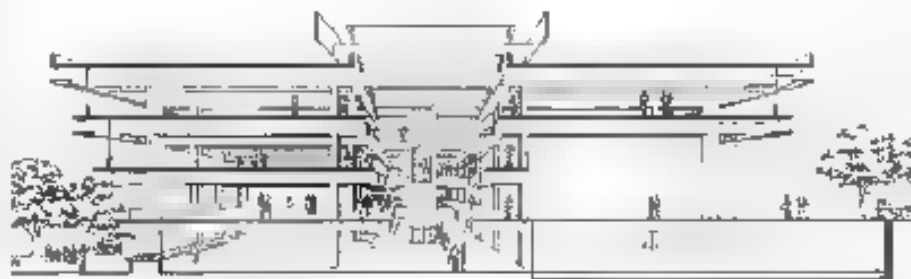


## Westinghouse Electric Corporation World Headquarters for Steam Turbine-Generator Division

Orlando, Florida

### An Efficient, Flexible Office on a Central Florida Lake

This 257,500 s.f. facility contains 898 work stations for personnel in technical research, marketing and management. Located on a rural site ten miles east of Orlando, the building takes maximum advantage of its Central Florida location. The building's configuration is recessed into a gentle hillside that slopes to a lake. The two-story entry lobby opens onto a day-lighted atrium, has spatially interconnected the four-story central core. The building steps down to the north and south, reflecting the hierarchical organization of the company.



*"The building is well thought out, well detailed and well sited."* Kevin Roche

#### Architect

William Morgan Architects, P.A.

#### Consulting Engineers

Structural — Tilden, Lohnitz & Cooper, Inc.

Mechanical/Electrical — Roy Turckett Engineers, P.A.

#### Interior Designer

Interspace, Inc.

#### Lighting Designer

William Lam Associates, Inc.

#### Acoustician

Jaffe Acoustics, Inc.

#### Landscaper

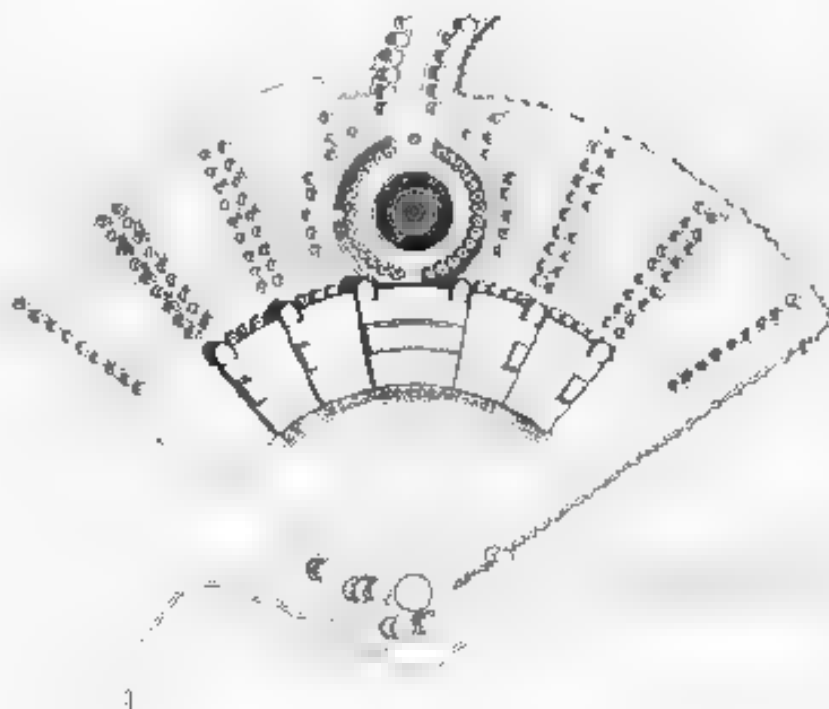
Herbert/Halback, Inc.

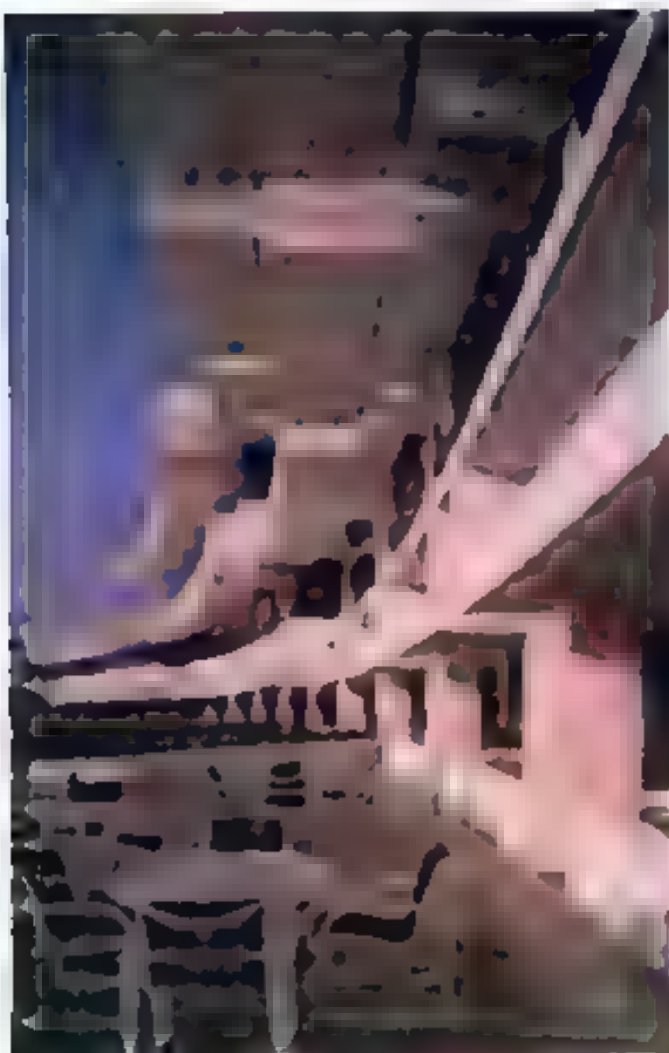
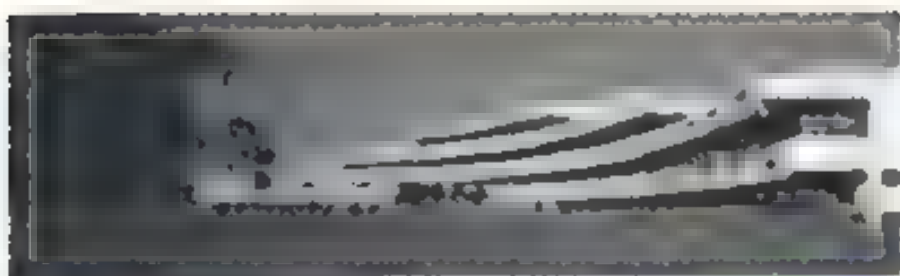
#### Owner

Westinghouse Electric Corporation

#### General Contractor

Scantha, Inc.





## Restoration of H. B. Williams Residence

Sarasota County, Florida

### The Sensitive Restoration of a Fine Indigenous Building

This project involved the restoration of a two-story office and residence to be used as an architect's office and residence. The building had stucco masonry bearing walls and roof with Portland cement plaster inside and out. During the restoration, original plaster textures were matched. Colors were determined by sweeping down to the original finish.

The restoration was done with great care and sensitivity, giving new life to the building.

#### Architect

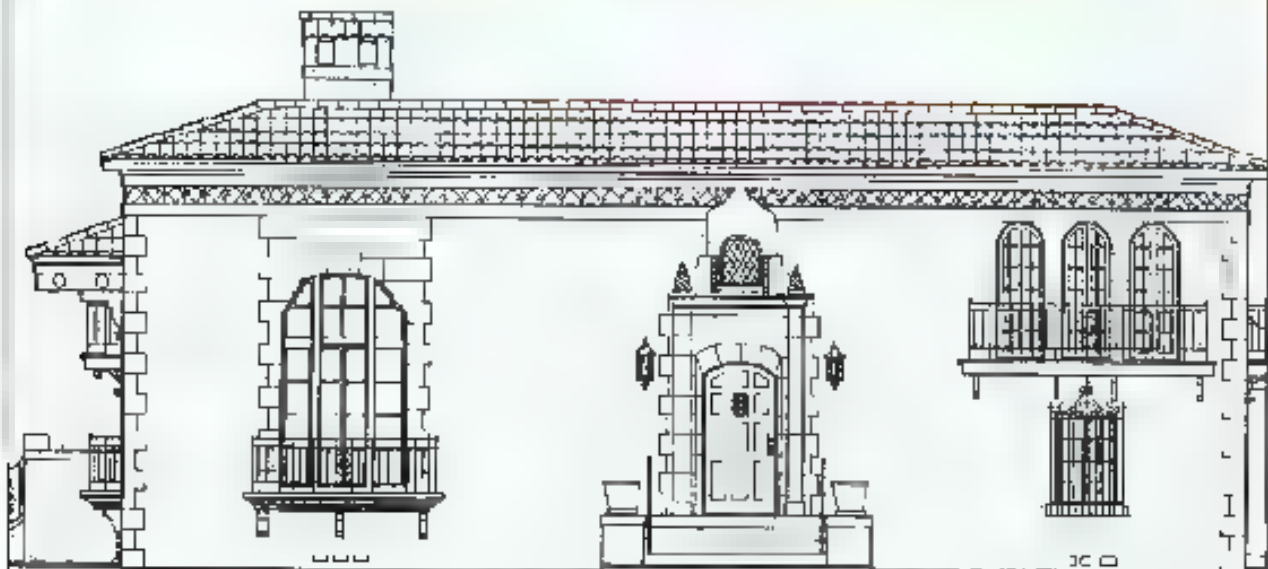
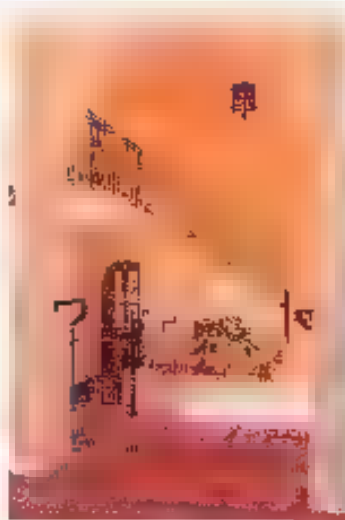
Philip E. Skirba

#### Owner

Philip E. Skirba

#### Contractor

Philip E. Skirba





## Housing for the Elderly

Miami, Florida

### Safe Housing With A Warm Tropical Flavor

The decision to create this building sets it aside from the dominant urban street grid form. Its inspiration from various sources. Concern for the age of the users dictated the desirability that all units receive direct sunlight. The building's orientation would have condemned it as a "back-facing" unit to the street.

The perception of the building as its urban context is avoided by the building's form. The building's form is a response to the urban context.

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Architects-Planners, Inc.  
Miami, Fla.

**Principal Architect**  
P & F Progs and Feita  
Architects-Planners, Inc.

**Project Architect-in-Charge**  
of Design  
George M. Progs and Salvador  
Silva, Registered Architects

**Consulting Engineer**  
Consulting Engineers, Inc.  
Alfonso Novo Jr., P.E.

**Civil Engineer**  
Eduardo Blanco, P.E.

**Electrical Engineer**  
Eduardo Blanco, P.E.

**General Contractor**  
Kaiser Development Corp.

**Interior Designer**  
Eduardo Blanco, P.E.

**Structural Engineer**  
Eduardo Blanco, P.E.

**Architectural Photographer**  
Eduardo Blanco, P.E.

**Architectural Photographer**  
Eduardo Blanco, P.E.

**Architectural Photographer**  
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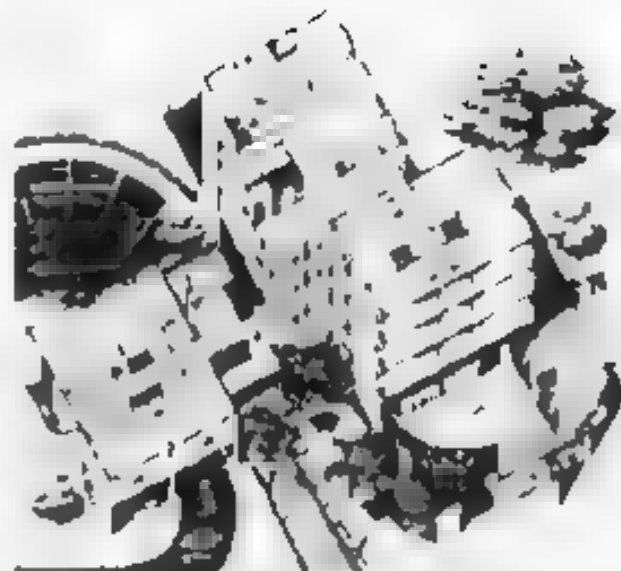
**Architectural Photographer**  
Eduardo Blanco, P.E.

**Architectural Photographer**  
Eduardo Blanco, P.E.

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## 1985 Growth Management Legislation — Impact on the "Built" Environment

By J. Michael Murry

**D**uring the 1985 Legislative Session, many pertinent issues were addressed including growth management, medical malpractice, child care, the drinking age, education and the passage of a \$14,000 billion budget.

In addition to these issues, there were several others that hit closer to home to the architectural profession such as: the establishment of local construction regulation boards; the passage of the Small and Minority Business Assistance Act; the funding of two new architectural schools in Florida, and the passage of general rulemaking authority legislation for the board of Architecture.

### HB 287 — Growth Management

Regardless of the impact of the above issues on each of us as citizens and professionals, the most far-reaching and long-term impact will probably come from the passage of House Bill 287, the omnibus growth management bill. This comprehensive legislation deals with local government comprehensive plans, coastal protection and developments of regional impact.

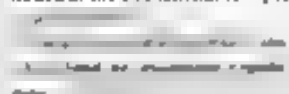
#### Local Government Plans

The Local Government Comprehensive Planning Act (LGCPA) is addressed in the first section of the new bill. Under the prior law, local governments were required to adopt comprehensive plans. The state land planning agency, referred to as the Department of Community Affairs (DCA), was then authorized to review and comment on local plans proposed for an amendment. The state law now authorizes, however, to ensure that necessary changes to a plan were actually adopted. This lack of quality control was a chief cause for criticism of the LGCPA.

Under the revised law, however, local governments are mandated to submit their new plans to the DCA, within a specified time frame, for a determination of compliance. Each plan is required to contain a new capital improvements element for public facilities — sewer roads, water parks, hospitals and schools — which sets forth the principles for construction or extension of such public facilities, estimated public facility cost, projected revenue sources to fund the facilities, timetable of when facilities are needed and standards to ensure the availability and adequacy of facilities.

Local plans must also contain a new land use map which shows the proposed distribution, location and extent of the different categories of land use. Each category shall set forth the type of use and shall contain specific standards for the density or intensity of use. The land use map must also show wetlands, water ways, rivers and bays.

Local plans must be updated at least once every five years and may be amended only twice per year. However, amendments due to a development of regional impact (DRI) are not included in the two amendment per



son of a new local plan. These new regulations must: contain subdivision regulations, protect well fields, regulate drainage,

protect land, regulate signage, provide for open space, ensure safe and consistent traffic flow and parking, and provide for public facilities to serve the proposed development.

The issue of citizen's standing or right to challenge local govern-

ment comprehensive plans was one of the most controversial issues in passage of the growth management bill. HB 287 virtually allows any citizen to challenge the Department of Community Affairs' review of a particular comprehensive plan on the basis that it is inconsistent with state standards. This review is not heard in a court of law but before an administrative hearing officer, and is appealable to the governor and Cabinet.

Similarly, citizen's standing has been increased in the area of local government land development regulation, with such challenges also heard in an administrative forum. A local government's ordinance will come before the hearing officer with a presumption of correctness, and will be difficult to overturn. Specifically excluded from the definition of land development regulations

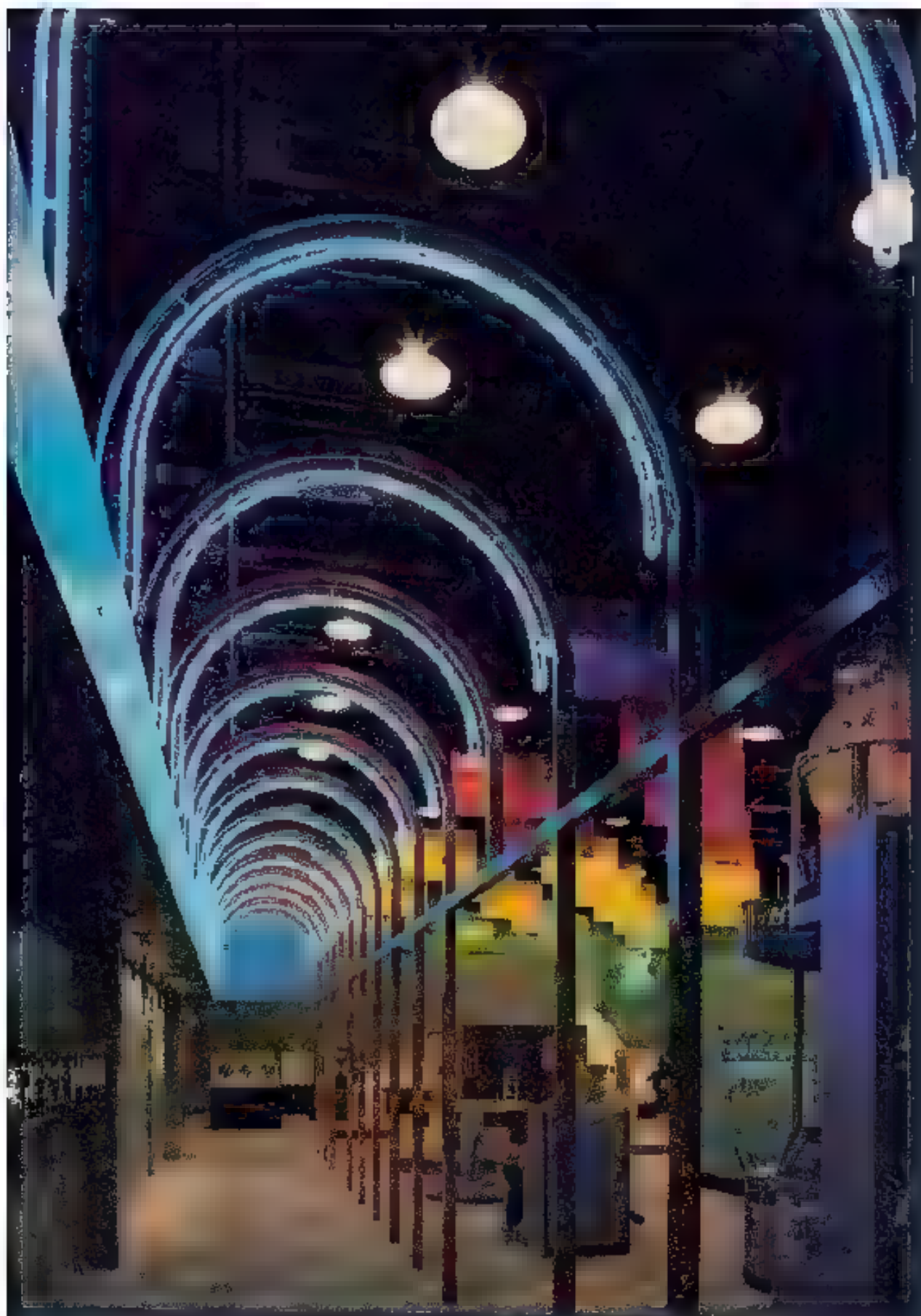
Finally, in reference to specific development orders, a citizen's right to challenge such action remains the same — the individual challenging a development order must show a special injury.

#### Protection of Florida's Coastline

The second major area addressed in House Bill 287 is the issue of coastal protection. Under the new law, the Department of Natural Resources (DNR) will not issue any permit for any structure (with few exceptions provided) proposed which, based on DNR's projection of erosion, will be seaward of the "seasonal high water line" within thirty years after the application date. DNR may, however, issue a permit for the repair or rebuilding of a structure if such activity does not expand the capacity of the original structure seaward of the thirty-year erosion projection. Single-family dwellings are ex-







## An Expanse of Light and Color

By a poll taken

[illegible]

**Architect:** Archi-act Design  
Group of Florida, Inc.  
**Project Designer:** S. K.  
Rice, P.E., V. J. A. A.  
**Owner:** Orlando Science  
Center

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Several years ago, the director of the National Science Foundation, Fred McWhorter, and one of his associates, a brilliant physicist, went to meet with him. The scientist was asked to lead a major program in the field of quantum electronics. The architect

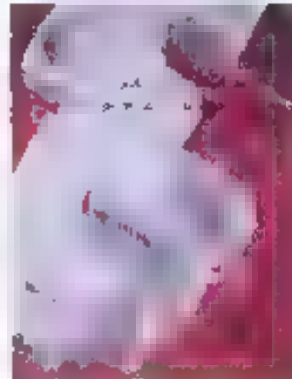
המשרד מודאג מן הפגיעה בפרטיות  
המשתמשים ובהגנה על מידעם  
המיוחס להם.

The expansion increased exhibit space within the Science Center by 90 percent. It was funded in part by a \$101,000 state grant and the help of seven local contributors. The new expansion represents the largest addition to the center since 1974.

He is now free to move on and work on other projects. He will be working on a new project for the National Science Foundation. He will be working on a new project for the National Science Foundation. He will be working on a new project for the National Science Foundation.

Phase 1 of the new deal was to  
 build the new 4 10 1 1  
 physical sciences arcade. This  
 spans a building to the north

in which visitors guide tours, and participate in the planning and construction of the exhibits through active participation. In Phase 2 of the construction, the Kailash Science Center was built. Phase 3 is a structure house: a variety of natural history exhibits. The Natural Science



Gallery was designed to contain four eco-systems typical of Florida environments.

Within the Physical Sciences Arcade, there are four halls in the open exhibit areas: the Halls on Waves, Electricity, Forces, and Light. Each exhibit pertains to that particular unit and all of the exhibits are designed to be relocated to a different space.

Color was utilized throughout the Science Center in various quantities. Red was used in the entrance to stimulate people and other colors such as blues, greens and yellows were used to create visual differences between areas.

The open layout creates a circulation path that is symbolic and not rigid. The new lights are computer-generated and controlled, thereby creating motion and drawing people into the exhibit.

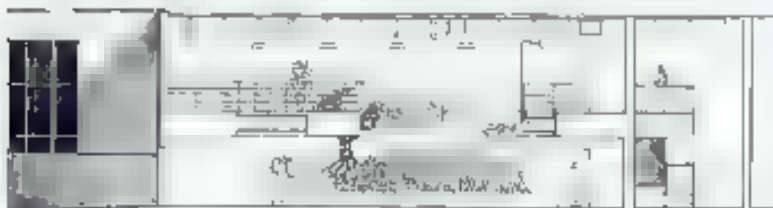
The building is heated and cooled by an energy-efficient heat pump. The entire building has a fully automatic fire suppression system. The ceilings are an exposed system of bar joists and mechanical duct work with polished aluminum used in some places. Artificial lighting is the predominant source of illumination in the exhibit areas. At the stairwell, the window opens up the space and provides a source of natural light.

The expansion of the Orlando Science Center is very exciting and very innovative. It utilizes materials in space-age fashion, stimulates children to want to look at the exhibits while holding adults' interest as well. Most of all, the space was designed to encourage the participation of visitors and it seems to do that very well.

**Carl Pan** is a writer living in Orlando.



The Physical Sciences Arcade with the Hall of Waves is incorporated. The incorporation does not do up a physical science museum, but a new type of exhibit. Photo by Carl Pan.



section 'a'



section 'b'



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## The Urbanization of Paradise



## highlights

*The Florida Association of the American Institute of Architects will hold its annual Fall Design Conference and Building Products Show at the Lake Buena Vista Palace Hotel at Walt Disney World Village, September 26-29, featuring*

• **"Urbanization of Paradise" Panel Discussions & Q —** At this critical time in our state's growth, we as architects and as responsible participants in physical development must be willing to confront and deal with important questions of endangered water resources, disruption of natural eco systems and destruction of the natural beauty which has earned Florida the reputation of a sub-urban paradise.

The effort to deal with these issues in ways that can encourage intelligent development will be the subject of two panel discussions moderated by Dr. John M. DeGrove, former Secretary of the Department of Community Affairs. Panelists will be Walter Collins, President of Weston; Robert Davis, President of Seaside; Pat Rose, Vice Chairman of the Save the Manatee Committee; Dr. Bernard Yokel, President of the Florida Audubon Society. These discussions should not be missed by any architect with a sincere concern for Florida and for Architecture.

• **Exhibits —** Meet with representatives of industry suppliers at specified times that have been set aside so as not to conflict with any scheduled programs. At least 25 companies will be on hand to display products that are an integral part of the construction industry.

• **Luncheon with the Governor —** Governor Bob Graham, who has pin-pointed growth management as his chief legislative program this year, will address the group over lunch. The Governor will be able to enlighten the group on the far reaching effects of the growth management legislation passed by the legislature this year.

• **Awards for Excellence —** Kevin Roche, Cesar Pelli, FAIA, and Walter Wagner, FAIA, will be on hand to present and discuss their selections of designs awarded for excellence. This year, using a slightly new format, the Awards for Excellence will be presented by the jury Friday afternoon in the Exhibit Hall.

• **Awards Banquet & Reception —** The FA/AIA President will host a reception between 6:30 and 7:30 p.m., followed by the annual Awards Banquet which will begin at 7:30 p.m., at which time the Awards of Honor will be presented.

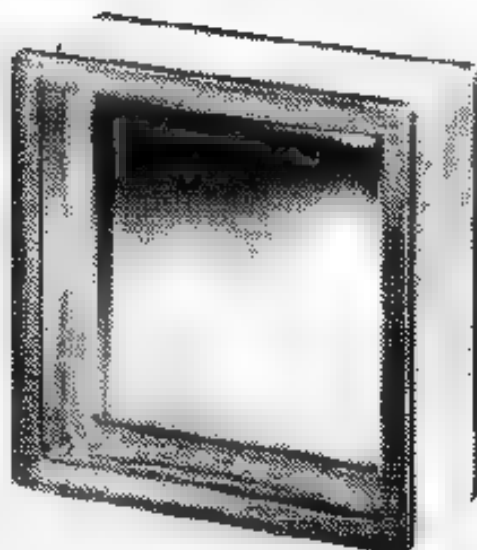
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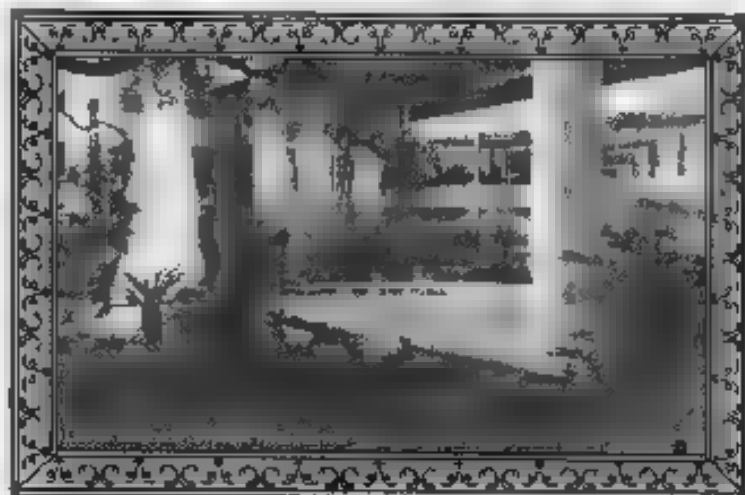
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